

# Ted Wynne Engineering/Contractor, Inc.

417 WELSHWOOD DRIVE • SUITE 114 • NASHVILLE, TN 37211 PHONE: 615- 331-7660 • FAX: 615- 333-0764

March 26,2001

Tennessee Valley Authority 535 Marriott Drive, HRT108-401 Nashville, TN. 37214

Attn: Mr. Bill Stalker

Re: College Street Church of Christ

Lebanon, TN TWEC# 1006

Dear Bill:

This office performed a test on a 200 feet deep, 6-inch diameter vertical bore, backfilled with drilled tailings, March 12, 2001. The following data was derived from test data:

Thermal Conductivity Ground Temperature

d Temperature

Diffusivity

1.6 FT 2/Day

1.55 BTU/HR-F

We feel that based on our observations of the terrain and the information provided in the Driller's Log that the tested hole was <u>not</u> properly backfilled, thus the results are less than we would normally expect based on past experience and tests in similar formations.

The Driller's Log is attached for your information.

Please let us know if any additional information is needed.

Sincerely,

Ted Wynne, P.E.

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WEB SITE: www.twecinc.net

## Mid-South Geo & Water Resources, Inc.

#### **WORK ORDER**

P.O. Box 297 • Lebanon, TN 37088-0297 Phone: (615) 444-0423 • Fax: (615) 444-0427

01044

			Date3/1/01
.lob	College Street Ch	urch of Christ	Phone
Job_ College Street Church of Christ			
		County Wilson	
Red	quested On:		
Start DrillingComplete Dr			illing
Total Depth200 Feet		Depth to Rock_	2 Feet
			Bit Type/Size
Tota	al Yield	Water Zones	_Quality Water
	DEPTH		TION
	0 - 2 Ft.	Dirt	
	2 - 25 Ft.	Soft Limestone	
	25 - 50 Ft.	Light Water/Dried up	
	50 - 150 Ft.	Medium Limestone	
	150 - 200 Ft.	Medium to Hard Limestone	
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### Mid-South Geo & Water Resources, Inc.

#### **WORK ORDER**

P.O. Box 297 • Lebanon, TN 37088-0297 Phone: (615) 444-0423 • Fax: (615) 444-0427

01045

	Date3/1/01
JobCollege Street Ch	urch of ChristPhone
	Lebanon, 1N County Wilson
Requested On:	
	Complete Drilling
Total Depth 200 Ft.	Depth to Rock 3 Feet
	Bit Type/Size
Total Yield	Water Zones 60 Ft & 135 Ft. Quality Water
DEPTH	FORMATION
0 - 3 Feet	Dirt
3 - 25 Feet	Soft Limestone
25 - 60 Feet	Soft Limestone
60 Feet	Water 25 GPM
61 - 150 Feet	Medium Limestone
151 - 200 Feet	Medium to Hard Limestone
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